

# MANUFACTURING EXTENSION PARTNERSHIP

## Success Stories from the Field

### Sundyne Corp

#### Mid-America Manufacturing Technology Center - Colorado

#### Sundyne Corp. Aces Value Stream Mapping

##### Client Profile:

Sundyne Corp., a subsidiary of Hamilton Sundstrand Corporation, a United Technologies Company, designs, manufactures and services industrial pumps and compressors. Sundyne's products are used worldwide in the hydrocarbon and chemical processing, pulp and paper, water treatment, power generation, and sanitary processing industries. Established as an independent division in 1970, Sundyne is located in Arvada, Colorado, and currently employs 250 people.

##### Situation:

In conjunction with ACE, the company wanted to implement Value Stream Mapping (VSM). Sundyne Corp. contacted the Mid-America Manufacturing Technology Center (MAMTC), a NIST MEP affiliate, for assistance with VSM training.

##### Solution:

MAMTC worked with Jack Rickard, Sundyne Central Quality Manager, and Sundyne employees to create maps for the Sundyne and Sunflo product lines. During VSM, a current state map is compared to a future state map to uncover any non-value-added steps. The maps reveal how the flow of a company can be improved. After receiving training in VSM from MAMTC, Sundyne was able to apply VSM throughout its facility. In addition, Sundyne used the MAMTC training materials to train two of their European plants to incorporate VSM into their operations.

VSM has become an integral part of ACE, incorporating all the individual quality programs. "Value Stream Mapping is about optimizing the flow of products through the entire plant," says Sundyne President Ruffner. "It's a way of tying all the functions of the organization together, including administration and our relationships with both customers and suppliers." By incorporating VSM into ACE, Sundyne has increased the value of the ACE program. It has allowed the company to focus on problem solving within the ACE program while making essential connections among departments for maximum efficiency. Sundyne achieved the ACE silver level in August. The company reported a total savings of \$674,000 to which the VSM work contributed significantly. In addition, Sundyne improved customer service and decreased its costs. Sundyne hopes to achieve the ACE bronze level in January of 2005.

##### Results:

- \* Produced a cost savings of \$674,000.
- \* Trained two additional plants.
- \* Achieved company quality goal.
- \* Improved customer service.
- \* Decreased costs.

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### Testimonial:

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